



# O T V A R C

FEB.-MARCH 1981

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

NEXT MEETING: Wednesday, March 18. 6:30 for dinner.  
7:00 for meeting. NORTHS CHUCKWAGON-BEAVERTON MALL

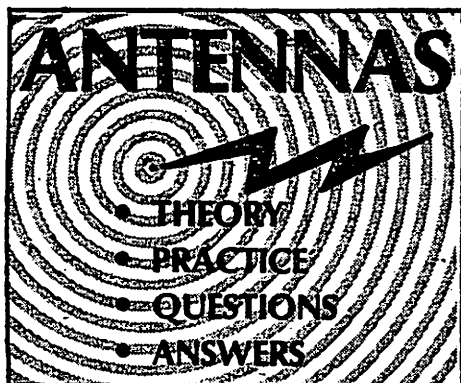
The huge turnout for the February meeting was very much appreciated. We really impressed Norths! The only problem that arose was that some of you were put out about having to spend a few pennies more to have dinner with your club members. FOR YOUR INFORMATION!! The place closes at 8:00 PM. The management retains several employees to clean up after us and that costs money. As stated several times before, it is not possible to find a place large enough to satisfy our needs that does not require a 100% participation in a banquet meal. A dinner for under \$4.50 is pretty reasonable and especially so if you consider that you can go back and get more-free!! It is heard that some of you have ideas toward eating in the main dining room, prior to the meeting. Best think about how that will affect our welcome..... If you are prone to saving thirty or forty cents, sure hope you have some ideas about a better place to meet!!

As mentioned in last months rag, the program was to be lengthy and it was. Sorry if the old tail bone felt over-used but programs are hard to come by, short long or otherwise. Sure appreciate Jim Sullivans taking the time to give us his presentation.

Those of you who did not get a chance to make corrections on the new roster will get the opportunity at the next meeting. We will pass around the ARRL convention HELP sheet again also. PLEASE don't forget to register for the convention through the club. If we get ten registrations compiled, we get a free booth!!!!

Gary, RKW, won the \$50.00 Yaesu clock which Portland Radio donated. Goofed up on the \$30.00 slinky dipole. Can't remember who won it. That came from the Watt Shop. We had some other goodies also. At this months meeting you will be given a financial statement by the treasurer. You may be quite surprised at how much the raffle has helped the club.

FIELD DAY is a mere 14 weeks away. Got to start getting our act together for the BIG event. You who are gung-ho when it comes to a contest or just merely from the thought of field day should start thinking of ways to take a Friday off from work. We are going to need lots of able hands come the 26th of June..... If we don't have the help, we won't be on the air!!!!!!!!!!!!!!



## Curt Sterba

One subject that has been cussed and discussed is the vertical antenna. Some folks delight in mouthing the old saw that "Verticals radiate equally poor in all directions." If so, why are they the antenna system used for broadcast stations?

You can bet your bottom Susan B. Anthony dollar that if any industry as greedy as the broadcast industry could come up with a way to burn their call letters into one more jackrabbit another microvolt out, they would do it.

The difference is that your local 250-watt jukebox does it right and we, alas, do it wrong. Seems that Ned Novice reads an ad somewhere that says "no radials needed" and believes it. He is also a candidate for "Learn to be a Brain Surgeon in a Weekend School." But it's not his fault, really. He saw it in the big magazine.

As the song goes, "It Ain't Necessarily So," or to be more precise, ain't true at all. Last month we promised you the truth about verticals. Here it is, straight and cheap. A vertical without radials is a total DISASTER. And, a vertical tied in to a ground rod is almost worse because one's hopes were raised.

Baffling how one manufacturer tells Ned that if you roof mount the vertical, one or two radials is all you need. Never could figure that one out, except maybe the manufacturer figured that after Ned spent all that money on the aluminum he'd have to dig into the milk money to afford a decent radial system.

The minimum is four. Nothing less. You may cringe trying to figure out how to put four 80-meter radials on your house. Well, you can run them out to the edge of the roof and then run them along the edge.

They don't have to be all straight, dressed right and covered down. Our usual jumble of wires is good enough. Now, I'm not going to suggest you take a page from KRAZY radio's book and lay out 180 radials. But, that's what they do and it works for them. (By the way, I once worked at the radio station described above and we got an SWL card from Australia.)

The more radials you can get out, the better. The more radials you can get out the better. No, the word processor didn't have the hiccoughs. I thought if I said it twice, it might make an impression.

The extra radials don't even have to be resonant length. Just get as much metal under the antenna as possible. A very good trick is to get a square of chicken wire (as big as possible), lay it under the vertical and tie to that.

Caution: this is a great idea for big signal but not so great if you have a curious cat that gets on your roof. If such animal is standing on ground screen with nose on vertical and you go key down you will have one unhappy kid on your hands yelling and screaming about how "Daddy killed the kitty."

(a) provides good mobile-to-mobile communications when driving adjacent to each other on the expressway.

(b) enhance the range of base stations located less than three blocks from each other.

(c) extend the range of mobile and low-power portable stations.

(d) none of the above.

4. You should sign your call letters:

(a) any time the spirit moves you.

(b) after every other word.

(c) at the beginning and end of each transmission.

(d) once coming on and once leaving the frequency, and once every 10 minutes.

5. You are required to mention at least one of the call letters of the stations with whom you have been talking:

(a) at the beginning and end of each exchange.

(b) at the beginning and end of a series of transmissions, and once each 10 minutes during the exchange.

(c) only at the end of a series of transmissions, when signing off.

Any kind of wire — fence wire, guy wire — anything. Just get out as much as you can. If you run NON-insulated wire, do not get the end near the rain gutter. Sparks may jump and set dry leaves on fire, burning down the house. (Keep pulling stuff like that and Gladys will never get her license!)

But if properly done, a vertical antenna will give a very good account of itself. Where does one stop before the cost of wire equals the cost of a chauffeured limousine which can take you to everyone you would care to talk to? Sixteen is a good place to stop. Unless, of course, this vertical is up on a 50-foot pole and you wish to dazzle the neighborhood with your Christmas light display.

How will the optimum vertical perform? Be aware — crazy things can happen! You may cry woefully, "I'm 5×9 in Tokyo but they can't hear me in San Diego."

You may be asking, "Which vertical should I buy?" There is the Hustler, a guy you want to stay away from in pool halls. There is a Hy-Gain. The only person I ever knew named Hy used to smoke smelly cigars behind the counter at the pool hall. There is the Butternut. Great antenna, funny name. What's this world coming to? Would Eitel and McCollough start a tube company today and call it Chocolate Chip Tube Company?

Get the Butternut. At least if you take it on a DXpedition to the desert island of San Serife and you run out of food, you won't starve to death.

(d) none of the above.

6. It is permissible to sign off, "W9MOL signing off":

(a) when you can't remember the call(s) of the station(s) with whom you were talking.

(b) after making an autopatch call.

(c) after calling another station and hearing no response.

(d) none of the above.

7. Repeaters:

(a) don't cost anything to operate as everything is donated.

(b) cost a bundle, but are paid for by a small group of wealthy amateurs and supporters.

(c) cost a bundle and are financed by club member dues and contributions.

(d) shouldn't expect any donations from users since the air-waves are free.

8. When you talk to a regular user of the repeater who is not a member of the club or a financial supporter, you should:

(a) tell them they are deadbeats and refuse to talk to them.

(b) notify the control operator to turn off the repeater.

(c) try to find out if they understand how the club/repeater operates and invite them to participate.

(d) try to embarrass them into paying or leaving.

## Repeater quiz

1. The proper way to enter into a QSO on a repeater is to:

(a) say "breaker seven-six".

(b) just say, "break".

(c) insert your call during a pause.

(d) just talk over the other guy; you're at a base station anyway.

2. The main purpose of a repeater is:

(a) to keep technical types on their toes.

(b) to enhance the range of mobile stations.

(c) to provide a soap box for long, one-sided monologs.

(d) to allow non-amateur housewives to keep track of their wandering husbands, or anyone else for that matter.

3. One of the most important uses of a repeater is to:



# NEWS

## BULLETIN



FOR SALE

(at last)

Heathkit HW 202. (2m) Mobile mount and manual. In good shape. Make an offer to Bill Gochenour, WB7NPH. Yes, he is a member! 357-5236.

-----  
Auttek Research QF 1 IC active filter. \$30.00.  
Heathkit 6 band rx. AM-CW-SSB. Model GR 78. Cost \$150.00. Sell for \$75.00.  
Yaesu 101E/speaker-patch/YC 601 digital display.  
Make an offer. Al-WB7SIC. 640-5456  
-----

\*SELL YOUR JUNK\*--HELP THE ECONOMY  
-----

### WOULD YOU BELIEVE

We have an honest to goodness grown up person who is a club officer that calls home every day to see if he got an envelope from the DX burrow??

We have an officer that does not belong to the ARRL?? (and we are affiliated)

Alan Marks, N7BNQ, lives in Troutdale and is a regular. How far do you not drive to attend meetings?? (sarcasm)

Norm and Maria are alive and well. At least they looked ok the last time we saw them.....

Al Herman might attend a meeting?

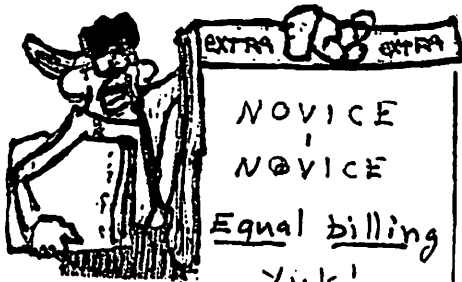
N7ALV paid \$40.00 for some RTTY gear. What a steal. Think the patent tag said 1924. Is that right Ray??

Larry Johnson, K7LJ, moved to LA and bought a club jacket anyway? Not only that, paid his dues for 81. What is wrong with our locals??

Steve Das, N4BOS, (4??) Has an ad in QST. A neat scanner kit for the Kenwood hand-held. Gud luck Steve.

A letter of congrats was sent to Mary Lewis and we did not rx an answer?? Hmmm. We did from the new SCM!!  
-----

An explanation on the pic in the last newsletter! Marianne Smith won a real live rooster. She traded it for several dozen eggs and guess the FEATHERED CHICK is back doing whatever roosters do. Quite sure they don't lay eggs!! Next Xmas party, watch out for a large cardboard box. If it moves, forget it!!



## This net is not just for YL's

Bob McGarvey, WB2EVF

There's more, much more, to amateur systems than sitting back waiting for some DX to check in.

Consider the YL International Single Sideband System, founded in 1963 by Miss V. Mayree Tallman, who is active on it to this day.

At first it was an organization of just what its name says — YLs. But that has changed over the years and male voices now are a part of every system session.

Casual listeners who jump in occasionally when they hear a fairly rare station may know little of the work done by the YL system.

Emergency traffic was the reason it was founded and regular participants know emergencies don't follow schedules. That's why the service stays operational hour after hour on its principal frequency in the 20-meter phone band.

When nothing is happening, the members participate in an awards program and continue communications. Nonmembers are welcome at any time, of course. They have full access to the service, including making non-emergency calls to stations they may have heard and would like to log. But the awards are limited to members, who pay dues and participate as often as they can.

Those are the reasonably tangible aspects of the YLISSB. But there are other aspects. It's a place where you can meet people and get to know them. A place where a signal translated into sound by your transceiver is not an unknown quantity coming from an unknown source.

People, voices and even characteristics of transmission fuse together into human beings.

Once a year the system holds a convention and members come from all over the world. They come to meet the voices that have helped to make their lives fuller.

The service began as an effort to help humanity. Over the years, it has expended far beyond its original concept.

Some of its members are ministering to the sick in the tropics or in the upholstered jungles of the cities; serving God in His cloth, regardless of sect, in missions in the odd corners of the earth — bringing joy and understanding into thousands of lives.

But most of them are just men and women like yourselves.

The frequency of 14.332(3) MHz isn't just a set of numbers.

It is a place to come back to.

It is home.

— The Home News □

\*\*\*\*\*

One of our newer members made 800 contacts in the recent 10-10 contest. That is a top notch job. Sure hope he is around for field day come June. Congrats to Len, KE7L.

\*\*\*\*\*

### CLUB BADGES

1" by 3". White plastic with red letters.

OTVARC

JOE KA7ZZZ

If interested, order at meeting— \$1.50 per...

PORTLAND RADIO  
1234 SW STARK  
PORTLAND

\*JOE\*

Our superior raffle donors are listed here. As stated, you will be shown just how important these businesses are to the club at the March meeting

THE WATT SHOP  
891 MOLALLA AVE.  
OREGON CITY

\*DAN\*

Bob Orr, KB7CC, one of our longtime members and a club trustee, won the Icom handheld at the recent Portland Radio Icom show and tell. Some people have all the luck!!! WB7WHO, our club secretary, just bought an Icom handheld and do believe that W7NDH did likewise. If any others did the same trip and want a case made for it, call WB7SIC. \$25.00.....

### OUR NEW RAFFLE DONOR

Dick Zalewski, W7ZR, who you saw on film in our last program, has purchased the Radio Shack store in St. Helens and has converted it to a combination electronics store. Meaning, ham radio gear at good prices. He is into computers and very heavy in consignment gear at a rate of 10%. VERY reasonable fee for consignment!!! Dick is a BIG GUN and will be VERY helpful to hams and their needs.

St. Helens Electronics-1538 Columbia Blvd.-St. Helens-397-2479....

LETS GIVE HIM SOME GOOD OTVARC SUPPORT-COFFEE AND DONUTS ON SAT.....





# THE AMERICAN RADIO RELAY LEAGUE, INC.

## LEADERSHIP OFFICIAL

✓ Mary E. Lewis, W7QGP  
Director, Northwestern Division  
10352 Sandpoint Way N.E.  
Seattle, Wa. 98125

QST  
OFFICIAL JOURNAL

ARRL AFFILIATED CLUBS

FEBRUARY 1, 1981

### NORTHWESTERN DIVISION

This will be my informal way of bringing to your club members an update on ARRL news and also to request news from your club. Is the mailing address to which this letter is sent correct? Is the contact person and call sign all a-ok? Have you sent your yearly report to headquarters? Do you still have 51% ARRL membership?

And speaking of membership! Full membership in The Northwestern Division increased in 1980 from 6,997 to 7,065 ARRL members. That is an overwhelming increase of ~~90.97%~~, or a fantastic new total of 68 more members !! **LOUSY!**

This we can do something about. Therefore, I am initiating a club contest to sign up new members with the winners to be announced at the Northwestern ARRL Division Convention in Seaside, Oregon. Should club representatives, or individuals, be unable to attend, then they will be presented certificate awards (by me) at their own club meeting, as to be arranged. Here are the rules:

1. An award to the club signing up the most new members.
  2. An award to the club increasing its ARRL membership by the greatest percentage. (This will help the real small clubs)
  3. An award to the individual signing up the most new ARRL members.
- Perhaps ARRL will even throw in a few prizes!!

To enter, just send me a copy of your club newspaper, or roster, showing ARRL membership as of Jan 1, 1981 and then another one postmarked no later than May 30, 1981. (Don't forget the name and call sign of the individual in your club signing up the most new ARRL members !!!)

DE W7QGP Mary  
Northwestern Division Director, ARRL

---

We hope to have the new roster completed this month and with some co-operation, it will be correct in all areas which includes our ARRL membership standing. This will be mailed to Mary Lewis in hopes of our winning an award. If you have been thinking about joining, why not do it now and give the club a boost. We do have over 51% but not by much... **DON'T FORGET**-When you join ARRL or renew, **PLEASE** do so through the club treasurer. We get \$1.50 of the fee and over a years time it means as much as \$160.00+ to the club. Based on our present membership!! In this newsletter you will find an ARRL application form as well as info on ARRL insurance. The insurance is **CHEAP** and well worth looking into. Normal insurance will **NOT** cover theft of radio gear from an auto!!!

GIVE IT SOME SERIOUS THOUGHT



# Application for Membership

## AMERICAN RADIO RELAY LEAGUE

Administrative Headquarters

19

American Radio Relay League  
Newington, Conn. U.S.A. 06111

Being genuinely interested in Amateur Radio, I hereby apply for membership\* in the American Radio Relay League. Please begin QST with the \_\_\_\_\_ issue. The call of my station is \_\_\_\_\_ Class of operator's license \_\_\_\_\_ I belong to the following radio societies: \_\_\_\_\_

☒ I have previously been an ARRL member.

☐ Payment enclosed

☐ Charge card

☐ Bill me

Membership term and dues:

|                                  | U.S.    | Canadian† | Foreign† |
|----------------------------------|---------|-----------|----------|
| <input type="checkbox"/> 1 year  | \$18.00 | \$20.00   | \$21.00  |
| <input type="checkbox"/> 2 years | 35.00   | 39.00     | 41.00    |
| <input type="checkbox"/> 3 years | 51.00   | 57.00     | 60.00    |

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State or Province, Zip or Postal Code \_\_\_\_\_

Charge to my

☐ Master Charge

☐ Visa

Account number \_\_\_\_\_

expires \_\_\_\_\_

Bank number (MC) \_\_\_\_\_

A bona fide interest in amateur radio is the only essential requirement, but full voting membership is granted only to licensed radio amateurs of the United States and Canada. Therefore, if you have a license, please be sure to indicate it above. Membership and QST cannot be separated. For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

\*Membership is available only to individuals. Life Membership is available. Write the Secretary for details.

Any member of the immediate family, living at the same address, may also become a League member, without QST, at the special rate of \$2.00 per year. Such family membership must run concurrently with that of the member receiving QST. Blind amateurs may also join (without QST) for \$2.00 per year.

†ARRL membership dues are \$18.00 worldwide. To help compensate for additional postage for mailing QST, the figures shown include \$2.00 per year additional postage required for Canada and \$3.00 additional per year for other countries.

Printed in U.S.A.

Dues effective 4-1-79 subject to change without notice.

MA 4-79

3 X

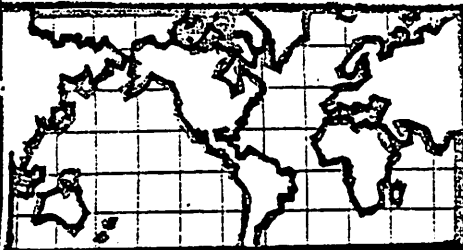
Note →

HAMFESTS: Yakima April 4-5; Skagit April 18; Spokane Fleafest April 25; The Vancouver Hamfair May 9-10; Bremerton Hamfest May 16; Tri-City Hamfest May 30-31; Glacier International July 18-19; WIMU July 31-Aug 1-2; & don't forget the usual big Tacoma Hamfair in August and the Walla Walla Hamfest in September.

## FOR NOVICES ONLY

This little ditty is devoted to you who may be having trouble finding reasons to get on the air. Some of you may be humming along and having a great old time. And rightly so. The first few months, for most new amateurs, is like getting married. Exciting! It does wear down a bit in time but the early habits will sometimes dictate how you enjoy the hobby in later years. If you are like a great majority of new hams, you may be very nervous in just the simple act of tuning up your rig. The very thought of getting on the air is enough to cause sweaty palms, a wrist as stiff as a three year old loaf of french bread and for the real truth, if the room temperature suddenly goes up at least 20 degrees, relax, you are normal. Some of you may come up with the old "What do I say", or "I'll make too many mistakes", or "What if he sends too fast". All kinds of mental excuses for NOT doing what you studied so hard to do. Others may be introverted and feel they are not good conversationalists. Makes no difference!! I will use two words to help you out. INCENTIVE and GOAL. Some people can be effective working with future aims. Such as "I would really like to have my general and I want it by ??". Others work well with the thought that "If I do this I will get ??". BUT-if you are all tied up in excuses for not doing what you want to do, you are just plain scared! If you have any competitive spirit in you, you may find that this article will be of help.

I will not admit what my problem was, just suffice it to say that my solution worked for me and perhaps it can for you. There are many awards offered by the AARL and to get one you must get on the air. You might not give a hoot for a certificate but how about the personal challenge of knowing you fulfilled the needed requirements. For the sake of simplicity, let us say that you can pick from Worked All Continents, DXCC (100 countries) or the very popular, Worked All States. It is suggested that the WAS be set as your GOAL or if you will, your INCENTIVE. Most of the people starting out in this great hobby have a limited amount of equipment. Referring in this case to antenna systems. DXCC is difficult enough with heavy duty gear and WAC is not enough of a challenge. Therefore, let us concentrate on WAS as our lever to cause you to get with it and OPERATE. The first few will find you with the sweaty palms and etc. but after awhile the excitement of nailing down another one will make you forget about all else. The first thing to do is send to the ARRL for their WAS map. On the front is a map of the good old USA and on the back, a list of all the states and space to write in your selected contacts. If you prefer, make up your own but HAVE IT AT YOUR OPERATING AREA. When you make a contact in a new state, mark your map with a dot and when you receive the QSL card, color in the state and record it on the back. It will not take very long before you will be asked by your friends or family about the possibility that you might have lost two or three vital marbles. GET a call book and when you hear a call area where a state is needed, look it up. Do not call CQ. Listen around and when you find a needed one, copy the QSO and call him when he is done. The excitement will be more important than your french bread wrist. It is guaranteed that by the time you finish getting WAS, you will be up to 15 WPM and ready for the code portion of the General class test. If this helps only one person, it is worth it. GOOD LUCK!!



# DX WORLD

## Willis Island

Dave Shaw, VK9ZD, is the new operator on Willis Island, replacing Graeme Mears, VK9ZG. Dave will be working 10 through 80 meters, with some activity on 6 meters. The following schedules should be watched:

0500 UTC 21.202 MHz Sked with VK3PA

0630 UTC 14.265 MHz Pacific DX Net (Tuesday and Thursdays)

0700 UTC 14.220 MHz VK9NS Net (formerly P29JS Net)

1000 UTC 14.175 MHz Sked with VK9CP

Other frequencies to watch are 28.595, 21.295, 14.195 and 7.095 MHz, usually during the evening times in Australia. QSL manager for both VK9ZD and VK9ZG is Stephen Gregory, VK3OT.

## Campbell Island

Warwick Latham, ZL3AFH, has been busy operating from Campbell Island signing ZL3AFH/A, (A for Auckland and Campbell Islands). He has been working the deserving on .20-meter CW — rather slow-speed CW. The slow-speed CW should give you phone die-hards an opportunity. Look for Warwick from 0700 UTC, who is using an FT101E and a dipole. He expects to be there for a year.

Note that ZL stations signing /C are on Chatham Island. The /A signifies they are either on Auckland or Campbell Island.

## Morocco

There is a bit of activity from this one. Hans Dankerl, W3JRL, reports he has been assigned the call CN8AT and will be operating from Tangier, Morocco. He will be sporting a 3-element beam and slopers for 80 and 40 meters, both sloping towards the Strait of Gibraltar. The location is on a hilltop overlooking the Mediterranean Sea and the southern coast of Spain. Look for CN8AT on 14.305, 21.305 and above 28.900 MHz. Hans reports he can operate SSB, CW and RTTY. The only other licensed station on RTTY from there is CN8BI.

Hans wishes to thank the following for the help in obtaining his CN8AT license: K7UGA, W4KFC and CN8MC. Hans has held other past DX calls such as SV0WZ from Dodecanese, DU1AT and ZB2GF.

Hans Dankerl is not the only person active from Morocco. Look for Sjoerd, CN8AQ, who works the deserving on CW on 14.035 MHz daily from 0530 UTC.

That CN5AMN you may have worked was on from El Aaiun celebrating its 5th anniversary of being annexed by Morocco.

## Mongolia

If you are working toward your WAZ award you probably know this one as Zone 23, one of the difficult zones to work. There are several stations on from this one. Probably the most popular is JT1AN, or JT1KAA, but there are others. JT1KAF maintains regular appearances on CW from 0600 to 0700 UTC on 14.040 MHz to satisfy the deserving. He has also been found on 14.029 MHz at 0900 UTC. In addition to this one, you may find JT1BH on 14.025 MHz at 1200 UTC, or JT1KAA near 14.030 MHz from 0200 UTC.

## SMOM

A station signing 1A0KM is operating from the Sovereign Military Order of Malta. This country is reported to be of the same status as that of Vatican City, issues postage stamps, passports and maintains diplomatic relations with several countries. Its traditions and history go back hundreds of years. 1A0KM has been reported on 28.596 MHz at 1515 UTC, 21.293 MHz at 1745 UTC, 14.225 MHz at 1530 UTC and 14.208 MHz at 2000 UTC. He has also been on CW at 2130 UTC on 14.017 MHz and on 7.005 MHz at 2200 UTC.

You will not find this country listed in the ITU frequency allocations, as the figure "1" is unofficial. The same applied for Spratly Island, 1S1DX. An application for DXCC status has already been mailed to Newington. As for Nation Criteria for the Worldradio W-100-N Award, I am confused myself. It would appear that it would not qualify due to Criteria 3, regarding ITU call signs. Therefore, do not submit a 1A0KM QSL for nation credit at the present time.

While we are at DXCC status countries, there is a possibility that a new USSR DXCC country will surface in Siberia. Nothing more on this one at the present time.

## Computer/Amateur Radio nets

Listed below are some computer-oriented Amateur Radio nets. They may help you with any problems or programs:

| Computer     | Day  | Time EST | Frequency |
|--------------|------|----------|-----------|
| Apple        | Sun. | 9 pm     | 14,329    |
| Apple (East) | Sat. | 8 am     | 7,260     |
| Atari        | Sun. | 8 pm     | 14,329    |
| Dig. Group   | Sat. | 11 am    | 14,281    |
|              | Sat. | 5 pm     | 7,190     |
| SWTP-6800    | Sun. | 9 pm     | 14,250    |
| TRS-80 Tandy | Sun. | 3 pm     | 14,342    |
|              | Sun. | 6 pm     | 14,342    |

November 1980

— AMRAD Newsletter, Washington, D.C.

## CLUB JACKETS

Order by April 15 and be ready for the ARRL convention!! AND—F.D.

## Protect your gear

### Gene Gazzola, KA7AFW

The FBI in Washington, D.C., maintains a computer file listing of stolen property — the National Crime Information Center (NCIC). Any police department with a computer terminal can check a serial-number in a matter of seconds to see if it's in the NCIC file as stolen.

The number you need to engrave on your rig is an OAN (Owner Applied Number) and it should be the one that's already in the NCIC computer — i.e., your state driver's license number, preceded by your state's two-letter code. Example: Your driver's license number is T123456. So, your OAN is AZT123456. (AZ is for Arizona). By using your driver's license number, you have automatically linked your gear with your name and address.

The way this engraved number is actually most often used is when a local detective nabs someone with what looks like "loot." If he sees what he recognizes as an Arizona OAN engraved on it, he goes into the computer and runs a check on the owner, who then can testify in court against the suspect.

Sorry to say, the local police may be more interested in making a court case than in getting your rig back to you, but it sometimes works out that you do get it back anyhow.

P.S. Your Social Security number doesn't mean anything to NCIC, so don't use it.

—Desert AIRE Waves, Arizona

## Answers to Repeater quiz

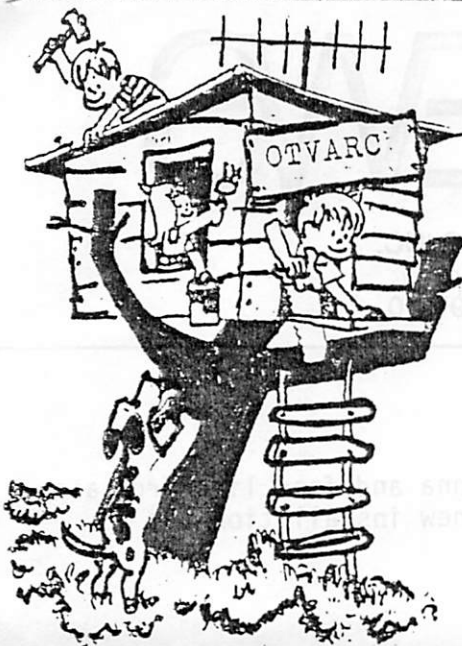
- |      |      |
|------|------|
| 1. c | 5. c |
| 2. b | 6. d |
| 3. c | 7. c |
| 4. d | 8. c |

## ARRL INSURANCE INFO

Albert H. Wohlers Co.  
ARRL Group Insurance plan  
1500 Higgins Rd.  
Park Ridge, Illinois  
60068  
1-800-323-2106

The premium is \$1.00 per \$100 .00. Quite reasonable and for your information, IT COVERS LOSS FROM YOUR VEHICLE. VIP if you run VHF or UHF gear mobile. Join the ARRL and get the insurance. One loss would pay a lot of annual dues!!!  
GOOD LUCK.....





### NEW MEMBERS

Welcome to the following new members- RICK ENSEY-KA7HBM BRIAN HEINE-NO CALL RICK MILLER-NO CALL and to BILL MATSUKADO-WA7JBE. Nice to have you folks aboard our fast sailing club. Every member of OTVARC is equal, whether new, old, a novice or extra. Jump right in and share in the club functions. A BIG welcome!!

---

### COMMITTEES

Five committee meetings were held this month and a lot was accomplished in the clubs interest. Would like to thank the following-STEVE DAS, BILL GOCHENOUR, JANET DUNSHEE, ROGER STEYAERT and BOB ORR. They were named temporary chairpersons and did the calling and setting up of their respective committees. A big word of thanks to all of the people who were named to the committees. The turnout was very good and shows that we have a whole bunch of willing members. For general info purposes, very nearly half of the club is now involved with making OTVARC a better group and-"HAPPY DAYS"-more fun for all. Next month, a list will be available to the members. The list will show the committee, it's chairperson and members. If any member should want to help on one of the committees, feel free to call the chairperson and get involved.... HATS OFF TO ALL. WE HAVE A FANTASTIC GROUP OF PEOPLE!!!!!!

---

### CLUB PURCHASES

The club owns the following equipment-Light weight 40 foot crank-up tower, guy cable, cable clamps and metal guy stakes for the tower. We also have a large blackboard for programs, two ARRL Field Day signs, assorted paper cups, plates and plastic eating utensils and quite an assortment of drink mixes. We own an AEA keyer trainer which is used for code classes, two strings of Xmas lights and a small stand for a Xmas tree. Last but not least, we own several yards of black material to cover windows for summer-time slide or movie programs. Forgot the birch rostrum, We rented a 16mm sound projector, a space heater for the halloween party and three small electric heaters for the Xmas party. If anything was missed, apologies!!

It is the wish of your officers and trustees that the club purchase a good used tri-band beam for field day use. As field day was the number one activity listed in the recent club survey, it is hoped that the members will vote an affirmative on this expenditure. It is VERY difficult to borrow two towers and two beams for FD use. One of each is bad enough but possible. Some of you may say we don't need beams but it is kind of neat, for a lot of you, to find out how effective a beam can be. A used one will cost the club very little and will be available to us for a long time to come!! You non-field day members should not worry as the social committee is intending to spend all of our money on dinners and etc.. HI!!!

# ARRG NEWS

FROM: AMATEUR RADIO RELAY GROUP, INC.  
Operating the South Saddle Repeaters  
P.O. Box 10031 • Portland, Oregon 97210

MARCH, 1981

## SOUTH SADDLE MOUNTAIN

147.92 / .32

The South Saddle repeater is now operating with a new antenna and feed line from atop the North West Natural Gas Company microwave tower. This new installation has greatly improved the coverage area of this machine.

## NEW PORTLAND REPEATER

146.30 / .90

A new local repeater will be installed on the KOIN-TV auxiliary transmitting tower at the 110' level, on or before March 31st.

This repeater will have local Portland hand held coverage, with extended coverage to the North and East. During the initial test period the antenna pattern will be varied to obtain optimum coverage for the site.

The permanent frequency will be announced as soon as it is coordinated with the ORRC.

This new repeater will have linking capability to 147.92/.32. Experimentation with permanent and controlled linking will be carried out to obtain the most satisfactory mode of operation between the two repeaters.

Your comments, positive or negative on the new machine would be appreciated. You should contact W7LJN or W7ETR.

Should you care to join the Amateur Radio Relay Group, Inc., please contact W7LJN W7JDT or KA7CTP or drop a note to us at the above Post Office Box.

73's



Dave Parker W7LJN  
Club President

## APOLOGIES

A full explanation of the dining situation at Norths Chuckwagon should have been in last months newsletter. They charge an extra ? (35 or 40¢) for the use of the banquet room. As mentioned, the place closes at 8:00 and as we run to 9:00 and after, it means retaining their clean up crew. Plus, we have the use of the room, the projection screen and the PA system. A problem we will be having is that you must be honest enough to tell the cashier that you are with the radio club. Tough to do when you know it will cost you a little more but necessary if we are to remain in a very good room. We ask everyones co-operation.

-----

## FIELD DAY

Tentative plans are to have three stations plus a novice set-up. Two towers and beams; three dipoles and for the novice station, a dipole and a vertical. We will most likely be running in the generator class, although this is up for discussion. As before, the club will be furnishing the Saturday nite dinner and the Sunday morning breakfast. Probably will have the meal costs set at \$1.00 per person and 50¢ for the little ones. We can't afford to feed everybody for nothing so a minimal charge will help to defray some of the costs. We might have a giant keg furnished and plans are now being made to get a whole passle of free pop.. A lot of ifs ands or maybes at this point but rest assured, we will have fun and will do everything that is possible to see that you all enjoy yourselves. We intend to turn in a top notch score as well. By the way, if you take advantage of the club meals, you will have ALL you can eat. If you want to operate, you will have all you can stand. If you want sunshine you had best talk to someone on the Sunday prior to field day. Or-bring a raincoat just in case. SITE AREA- we shall see!! Make plans now for the BIG weekend!!!!

FIELD DAY      JUNE 26-27-28

-----

## PROGRAM-PROGRAM-PROGRAM

SANDY MIKALOW, K700Z, IS GOING TO DO HIS THING FOR US. HIS THING HAPPENS TO BE RADIO ASTRONOMY AND IF YOU ARE WONDERING WHAT THAT IS ALL ABOUT, SO AM I. HE HAS A 20 MINUTE SLIDE SHOW AND THEN WILL BE HAVING A QUESTION AND ANSWER SESSION. THIS SHOULD BE INTERESTING AND NO QUESTION, EDUCATIONAL. LETS GIVE SANDY A GOOD OLD OTVARC WELCOME!!!!

A POLISH SCANNER-6 ICOM HANDHELDS!!!      CU THE 18th!!!

4/2  
92.32  
64.64  
40.00  
72.12

04.64  
40.00  
72.12

1. *Pharmaceutical industry* – The pharmaceutical industry is the largest of the three industries, with sales of \$10.5 billion in 1997. It is the only industry that has a significant presence in all three markets.